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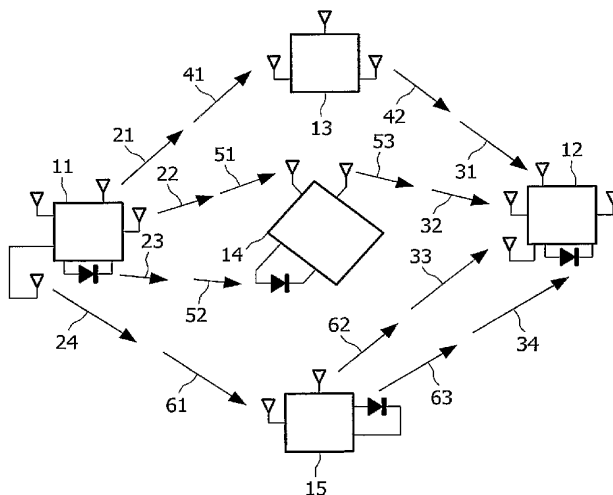
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(54) Title: WIRELESS MULTI-PATH TRANSMISSION SYSTEM (MIMO) WITH CONTROLLED REPEATERS IN EACH SIGNAL PATH



(57) Abstract: Methods for exchanging signals via a network with nodes (11-15) improve the performance of the network by letting a destination node (12) receive the signals originating from a source node (11) via different first and second signal routes, and by processing and correlating these signals in the destination node (12). In dependence of a correlation result, a process for processing a signal in a node (11-15) is adjusted. This process may be situated in the destination node (12), or in the source node (11) or in an intermediate node (13-15), in which case a control signal is to be exchanged. A learning algorithm for the adjusting of the process can be run in the nodes (11-15). Label switched routing can be introduced, whereby the label signal is sent from the source node (11) to the destination node via a third signal route different from the first and second signal route, to improve the efficiency of the nodes (11-15).

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